ATTENDEE	S: Lloyd Car	oenter	RDC	982-3708
Al Fleig		900	286-774	17
	Harold Geller	RDC	982-3	740
	Tom Goff	RDC	982-37	704
	Liam Gumley	RDC	982-	3748
	Lou Kouvaris	Hughe	s 464-	7365
	Al McKay	RDC	982-37	720
	Jim Ormsby	974	286-6	5811
	Anand Swaroop	STX	513	-1607
	Wil Webster	920.2	286-	4506

NEXT MEETING: Date Time Building Room Friday, November 8 10:00 am 16 242

TOPICS:

1. MODIS AIRBORNE SIMULATOR (MAS) AND NETCDF FORMAT: A complete MAMS flight track has been calibrated, geolocated, and written in netCDF on the LTP VAX. The 37,230,254-byte netCDF file contains all of the Level-1B data for 1939 scan lines. The software is ready for operational processing of MAS flight mission data. Updating and fine tuning of the software will be based upon operational experience. Data from an MAS test flight scheduled for October 28th is expected from Ames in a few days. Quick turn-around is planned for the data from the FIRE experiment (first possible flight on November 13th). Spectral response data for the thermal infrared channels have not yet been received from Daedalus. If this information is not received in time, spectral response functions can be simulated based upon "half-power points" which Jeff Myers at Ames has for the infrared channels.

The known processing systems to be used by GSFC MAS investigators for MAS Level-1B data are the IBM 3090 (MVS operating system), Hewlett Packard 720, Silicon Graphics Iris, and the Cray (Unicos operating system). The corresponding display systems are the Apple Macintosh and the Silicon Graphics Iris.

The first version of the C program to generate the MAS netCDF file has been completed and verified on the LTP VAX. Approximately 20 minutes are required to transform the data from a 2000-line flight track. Program

enhancements and utility programs are being developed.

- 2. MODIS SCIENCE COMPUTING FACILITY PLAN: Al McKay presented a development plan and schedule for the MODIS Team Leader Science Computing Facility Plan. Documented requirements are being reviewed, and key EOSDIS, MODIS and other EOS instrument personnel are being interviewed. Hardware, software, and communications requirements will be analyzed. A "strawman" report is scheduled for January 3, 1992
- 3. MODIS SDST PROJECT PLAN: Significant progress was reported on the development of the Objectives, Related Activities, and Technical Plan sections of the MODIS Science Data Support Team Project Plan. An updated copy was included in the handout. The Plan will include special consideration of the following topics:

Algorithm delivery (Versions 0, 1, and 2. Rehost all three),

Guidelines for algorithms provided to SDST by Team Members,

Work Schedule from the time algorithms are delivered to SDST to the time the SDST delivers to EOSDIS,

Quality Assurance of software,

Review Plan

Consensus algorithms reviewed by Team Members,

Team Members review SDST implementation of their code,

Documentation and Optimization,

Training.

4. MODIS IMAGE REGISTRATION: Jim Ormsby presented an update to his table of image registration comparisons, adding for each package, the human involvement required, the accuracy (in pixels), and the name and telephone number of the contact person. Two additional packages were added to the table.

ACTION ITEMS:

08/30/91 [Lloyd Carpenter and Team]: Draft a schedule of work for the next 12 months. Include primary events and milestones, documents to be produced, software development, MAS support, etc. (An update was included in the handout.) STATUS: Open. Due date 09/27/91.

10/04/91 [Phil Ardanuy and Team]: Prepare questions for the project to characterize the spacecraft position and attitude knowledge and the MODIS pointing knowledge in a way that will facilitate the evaluation of methods such as image registration to meet the science team requirements for earth location. (A letter to the project has been prepared, 10/28/91.) STATUS: Open. Due date 10/18/91.

10/04/91 [Tom Goff]: Examine and describe the Miami DSP navigation scheme in relation to MODIS navigation. Status: Open. Due date 11/15/91.

10/04/91 [Tom Goff]: Contact Angel Li (currently at GSFC) to ask questions regarding the DSP. Status: Open. Due date 10/18/91.